

Mitochondrial Research I

MitoBloCK-6

Inhibits redox-regulated protein translocation into mitochondria.¹

Product No: 10-1472 5 mg/ 25 mg/

Decylubiquinone

Decylubiquinone inhibits the Ca²⁺-dependent mitochondrial permeability transition pore (MPTP) without inhibiting respiration.²

Product No: 10-2580 10 mg/ 50 mg/

TTFA

Blocks mitochondrial complex II via binding to ubiquinone sites Qp and Qd.³
Inhibition of complex II delays cell cycle progression leading to oxidative stress.⁴

Product No: 10-4565 100 mg/ 500 mg/

Mdivi

Selective inhibitor of Dnm1 GTPase (IC₅₀=1-10 μM). Inhibits mitochondrial outer membrane permeabilization. Inhibits mitochondrial division and apoptosis. Cell permeable.^{5,6}

Product No: 10-1179 5 mg/ 25 mg/

FCCP

FCCP is a potent and reversible inhibitor of mitochondrial oxidative phosphorylation. It depolarizes mitochondrial membrane potential and induces apoptosis⁷

Product No: 10-1182 10 mg/ 50 mg/

Piericidin A

Potent inhibitor of the mitochondrial and bacterial type I NADH-ubiquinone oxidoreductase (complex I).⁸

Product No: 10-3467 200 μg/ 1 mg/

Cyclosporin A

Inhibits mitochondrial permeability pore opening inhibiting apoptosis.⁹

Product No: 10-1119 100 mg/ 500 mg/

PK-11195

PK-11195 is a selective and potent peripheral benzodiazepine receptor, PBR (or TSPO) antagonist. Induces apoptosis in a variety of cell lines.^{10,11}

Product No: 10-2221 5 mg/ 25 mg/

Obatoclox

Bcl-2 antagonist that mediates mitochondrial stress via MCL-1 inhibition.¹²

Product No: 10-2660 5 mg/ 25 mg/

M-1

Enhances mitochondrial fusion without interfering with endoplasmic reticulum and lysosome morphology.¹³

Product No: 10-1598 10 mg/ 50 mg/

N-Oleoylphenylalanine

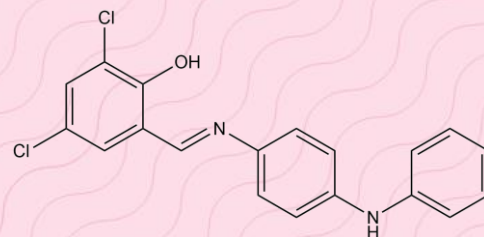
N-Oleoylphenylalanine is an endogenous uncoupler of UCP1-independent respiration.¹⁴

Product No: 10-1602 5 mg/ 25 mg/

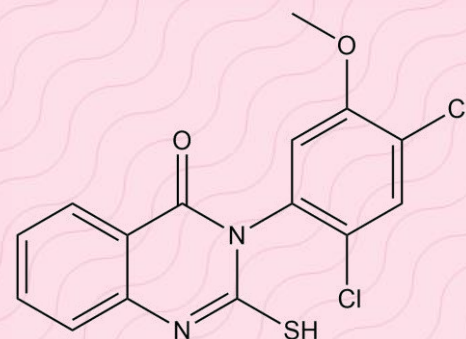
BAY 87-2243

Potently inhibits mitochondrial complex I activity resulting in HIF-1 reporter gene activity inhibition.¹⁵

Product No: 10-4910 5 mg/ 25 mg/



MitoBloCK-6



Mdivi

References:

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